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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/534,488	05/11/2005	Yuichi Inada	59559.00020	7113
32294 7590 03/05/2008 SQUIRE, SANDERS & DEMPSEY L.L.P. 14TH FLOOR 8000 TOWERS CRESCENT TYSONS CORNER, VA 22182				
EXAMINER				
BODAWALA, DIMPLE N				
ART UNIT		PAPER NUMBER		
1791				
MAIL DATE		DELIVERY MODE		
03/05/2008		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/534,488

**Applicant(s)**

INADA ET AL.

**Examiner**

DIMPLE N. BODAWALA

**Art Unit**

1791

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 13 December 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) 12-14 and 16 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 and 15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-8508)  
Paper No(s)/Mail Date \_\_\_\_\_

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Response to Amendment***

- Claims 1-11 and 15 are pending.
- Claims 12-14 and 16 are withdrawn.

In view of amendment, filed on 12/13/2007, following rejection and objection are withdrawn as a reason of record from the previous office action, mailed on 9/19/2007.

- ⇒ Rejection of claims 1-11 and 15 under 35 U S C 112, second paragraph.
- ⇒ Rejection of claims 1-7, 9-11 and 15 under 35 U S C 102 (e) as being anticipated by Koyama et al. (U S Patent No. 7,044,726).
- ⇒ Objection of claim 8.

1. The indicated allowability of claim 8 is withdrawn in view of the newly discovered reference(s) to JP 2001-322148. Rejections based on the newly cited reference(s) follow.

### ***Response to Arguments***

2. Applicant's arguments with respect to claims 1 and 10 have been considered but are moot in view of the new ground(s) of rejection.

**New Ground of Rejection**

***Claim Rejections - 35 USC § 112***

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claim 10 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

5. Claim 10 is vague and indefinite because it is unclear what the meaning of press fit, how the press fit is performed, and also between which elements of the mold the press fit means being performed.

***Claim Rejections - 35 USC § 102***

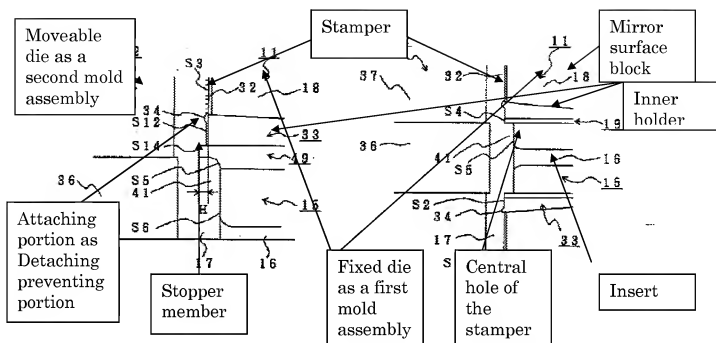
6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claims 1-11 and 15 are rejected under 35 U.S.C. 102(b) as being anticipated by Suzuki et al. (JP 200—322148).

8. Suzuki et al. ('148) discloses a mold for molding a disk which comprises a mirror surface disk (18), a stamper (32) having a hole (41) formed at its center, and attached to a front end surface of the mirror surface disc (18) (See figure 2), an inner holder (33) for holding the stamper (32) by means of press fit into the hole (41) (See figure 2). It further teaches that the internal circumferential edges of the stamper (32) is forced on the fixed side mirror block by the detaching portion (34) (See paragraph # 9, 32 of the translation), which inherently suggests that during the press fit, the inner holder is subjected to stress in excess of its yield point and plastically deformed. It further discloses a fixed die (11) as a first mold assembly and a moveable die (12) as a second mold assembly disposed in such a manner as to be able to advance toward and retreat from the first mold assembly (11); a sprue (16) as an insert disposed in the first mold assembly (11) , an inner holder (33) for disposing the insert (16) (See figure 2), which inherently suggests during the press fit the insert is subjected to stress in excess of its yield point and plastically deformed.



9. Figure 2 further teaches that the press fit as described above, which inherently suggests that it is performed by means of plastically deforming the stamper, wherein during the press fit, a front end surface of the inner holder (33) and a front end surface of the stamper are brought into a same plane. It further teaches that the press fit is preformed in a press fit deformation region established at each of at least two positions in a circumferential direction of the stamper and the inner holder (See figure 2). It further teaches that the press fit deformation region, an outer circumferential of the inner holder comprises a plurality of surfaces, wherein a diameter of a front end of the inner holder (33) is greater than a diameter of a rear end of the inner holder (33) (See figure 2). It further teaches a tip face (S14) as a stopper member for stopping the inner holder at a position such as a prescribed

distance H, which inherently suggests that the front end surface of the inner holder and the front end surface of the stamper are brought onto a same plane (See figure 1).

10. It further discloses an attachment portion (34) as a detachment preventive portion (34) is formed for preventing detachment of the stamper from the inner holder (See figure 1, paragraph # 9 and 10 of the translation). It further teaches that the front end surface of the inner holder (33) projects from a front end surface of the stamper (See figure 2).

11. Suzuki et al. ('148) discloses all claimed structural limitations as discussed above and, thus, the claims are anticipated.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DIMPLE N. BODAWALA whose telephone number is (571)272-6455. The examiner can normally be reached on Monday - Friday at 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dr. Yogendra N. Gupta can be reached on (571) 272-1316. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Dimple N Bodawala  
Examiner  
Art Unit 1791

/D. N. B./  
Examiner, Art Unit 1791